

A-798

Total Pages : 3

Roll No.

BCA-02

Bachelor of Computer Application (BCA)

(Introduction to Computer Programming Using C)

1st Semester Examination, 2024 (June)

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections ‘A’ and ‘B’. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section–A

(Long Answer Type Questions) 2×19=38

Note :- Section ‘A’ contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. Explain the different categories of C data types.
2. Describe various types of control statements in C language.
3. What is file ? Write C program to copy the content of one file into another file.
4. Define Array. Differentiate between one dimensional and two dimensional arrays with example.
5. What is the string ? Explain `strcat()`, `strlen()`, `strcpy()`, `strcmp()`, `strrev()` functions with example.

Section–B

(Short Answer Type Questions) 4×8=32

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. What is an Algorithm ? Why is it necessary to write an algorithm before program coding ?
2. What is the difference between a keyword and identifier ? Explain with an example.
3. Explain the bitwise AND OR and NOT Operation.
4. Write a program in C to find the factorial of a given number.

5. Explain the term “calling function by reference”. Explain with an example.
6. What is Structure ? How can we access elements of a structure ?
7. How a union is different from a structure ? Define with example.
8. Define Loop. Also explain “for loop” and “while loop”.
